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დაავადებათა კონტროლისა და
საზოგადოებრივი ჯანმრთელობის
ეროვნული ცენტრი

Cancer Screening Program in GEORGIA

International Health Policy Forum

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Tbilisi, Georgia

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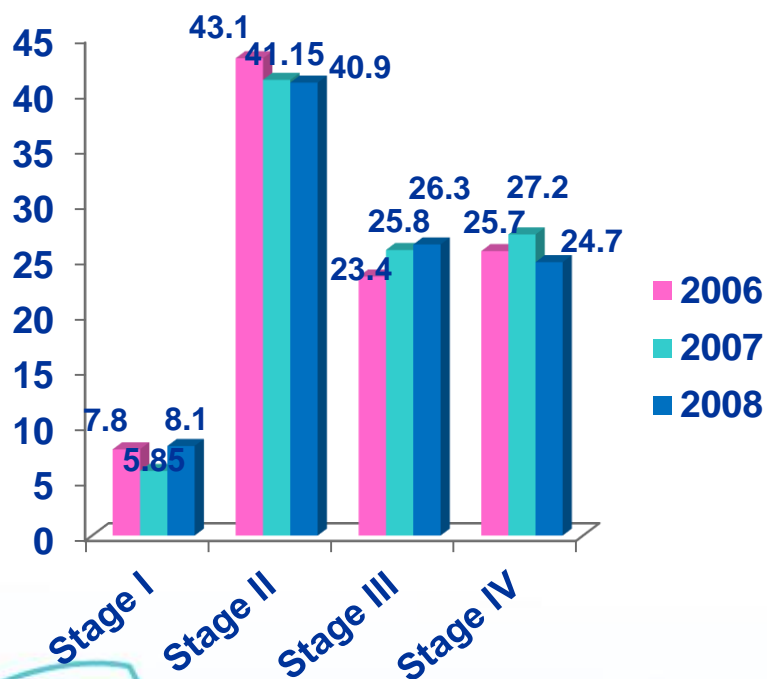
Director Georgian National

Screening Center

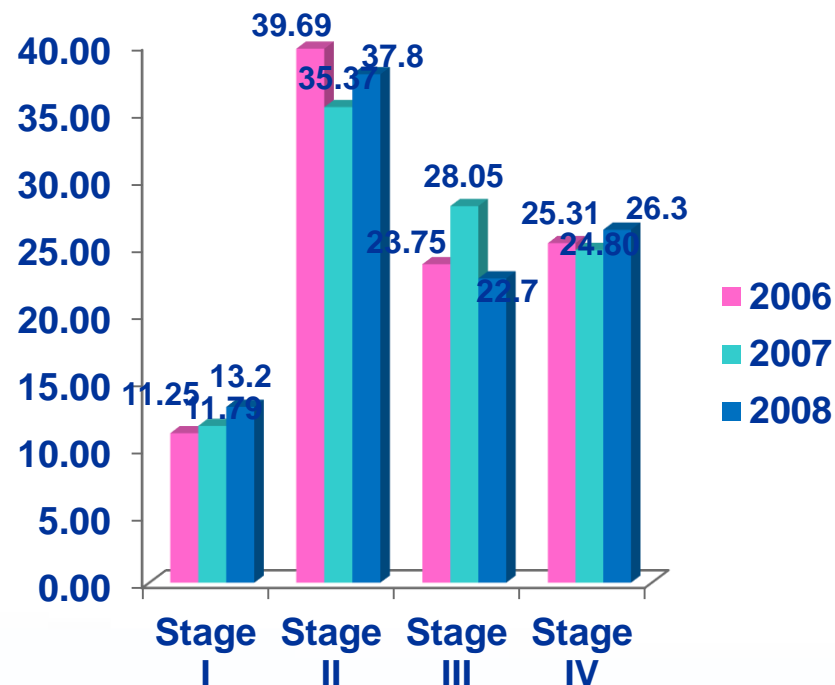
Epidemiology

- Breast, Cervical and Colorectal Cancer represent one of the rising Public Health Problem in Georgia
- According to the data of the statistics department of Georgia the **Breast Cancer** incidence rate was 52.6 per 100000 females (27.9 per 100000 population), and incidence of the **Cervical Cancer** was 13.5 per 100000 females (7.1 per 100000 population) in 2008
- During the same year **51%** of newly detected **Breast Cancer** cases and **49%** of newly detected **Cervical Cancer** were on stages III and IV

Breast Cancer Stages (%)



Cervical Cancer Stages (%)



START UP OF THE PROGRAMME

The National Screening Program was initiated by the Georgian National Council of the Reproductive Health, which brings together the representatives of the Ministry of Health, Health Committee of the Georgian Parliament, major health institutions of the country and international Donor Organizations.

START UP OF THE PROGRAMME

For implementation of this program Tbilisi Municipality set up special organization NATIONAL SCREENING CENTER, provided sufficient funding and relevant space and infrastructure. In parallel Government provided modern technology and equipment: digital mammography and ultrasound, colposcopy and other necessary equipment with total cost of \$1 million.

START UP OF THE PROGRAMME

Professional Human resources have been selected among Georgian medical personnel by the special Board of the Council based on open competition.

Identified team of doctors, nurses, the IT specialists and managers received special training under the guidance of our European colleagues in Georgia, as well as abroad.

START UP OF THE PROGRAMME

The National Screening Center started its activities on May 1st 2008. The Center operates in cooperation with contractors and covers citizens of Georgia.

- The implementation of this program is the best example of the cooperation of the Central and Local authorities and donor organizations.**
- A special Memorandum was signed between the Tbilisi Municipality and the Tbilisi office of the UN Population Fund .**

AIM OF THE PROGRAMME

- to reduce mortality caused by **breast**, **cervical** and **colorectal** cancer through early detection;
- to maximize early detection of cervical cancer in the target population;
- to ensure equitable access for the women to the cancer screening;
- to ensure that services are acceptable and appropriate to the needs of the eligible population;
- to achieve high standards of the program management, service delivery, monitoring and evaluation and accountability.

The National Screening Program

Inclusion Criteria

- Age group **40-70** for **Breast Cancer screening** (n=~214,905) in every two years
- Age group **25-60** for **Cervical Cancer screening** (n=~280,000) in every three years
- Age group **50-70** for **Colorectal Cancer screening**
- Age group **50-70** for **Prostate Cancer screening**

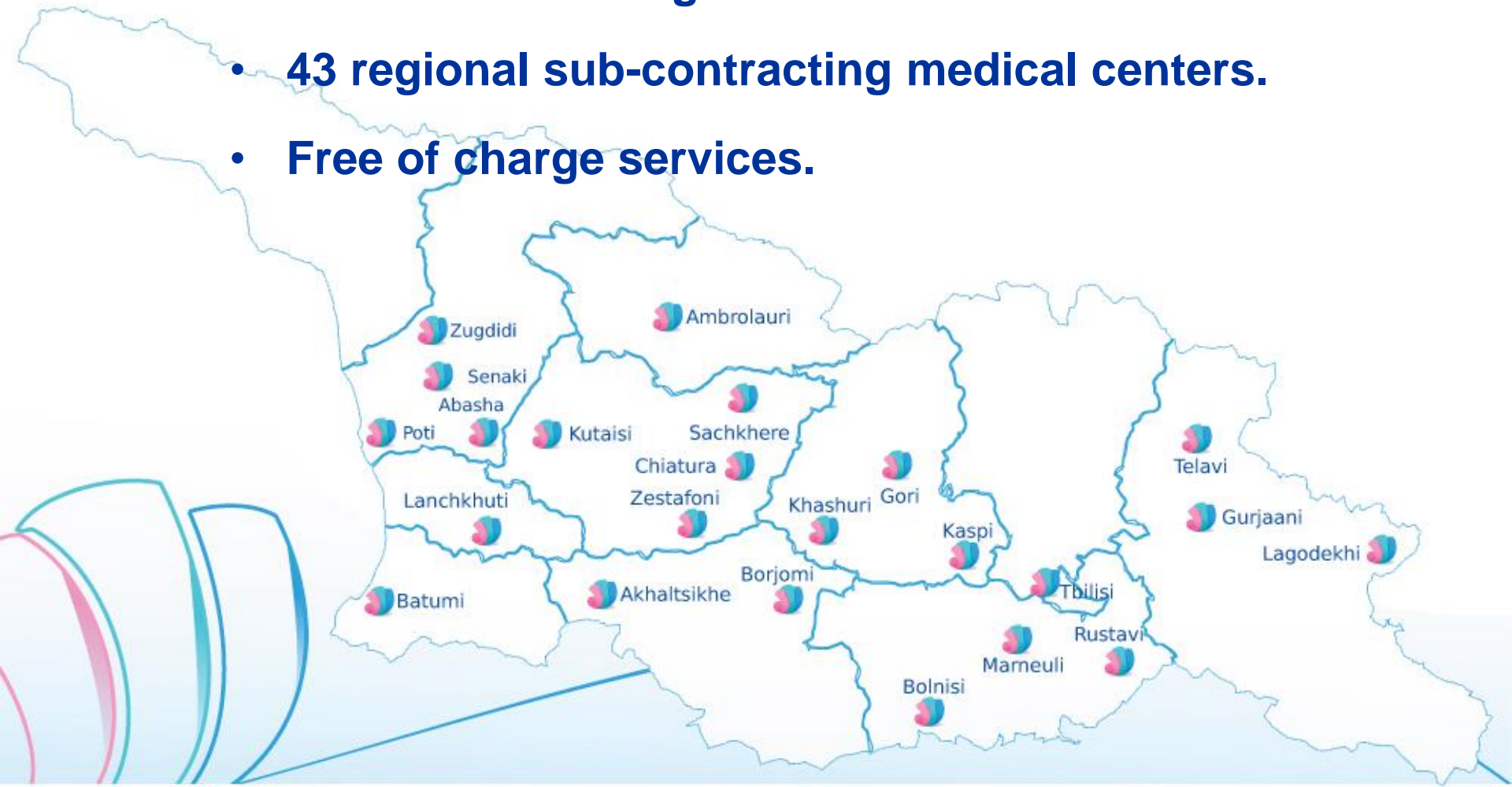
The National Screening Program

Enrollment Methods

- 1. By Self-reporting (H/L Tel. 220 35 35)**
- 2. By Calling and registering**
- 3. By Referral**

The National Screening Program

- 24 sub-contracting medical centers in Tbilisi.
- 43 regional sub-contracting medical centers.
- Free of charge services.



The National Screening Program

Screening Methods

Breast Cancer

- Physical Examination
- Radiography examination of Breast (based on the BIRAD system)
- Ultrasound Investigation as indicated
- Cytology investigation as indicated

Cervical Cancer

- PAP smear investigation
- Colposcopy, Punch Biopsy and morphology as indicated

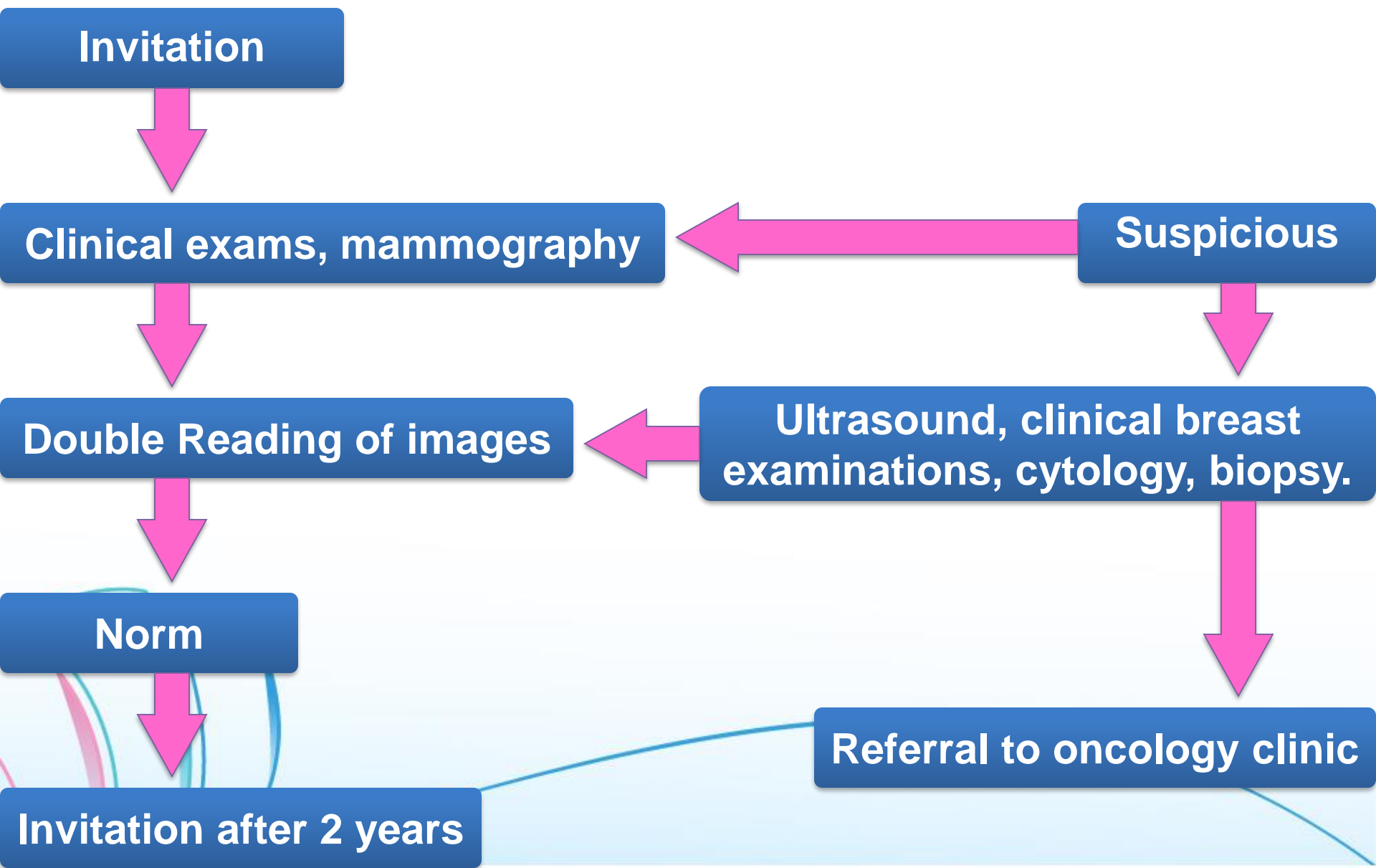
Colorectal Cancer

- FOBT-test, Colonoscopy with Biopsy as indicated

Prostate Cancer

- PSA-test

Design of Breast Cancer Screening

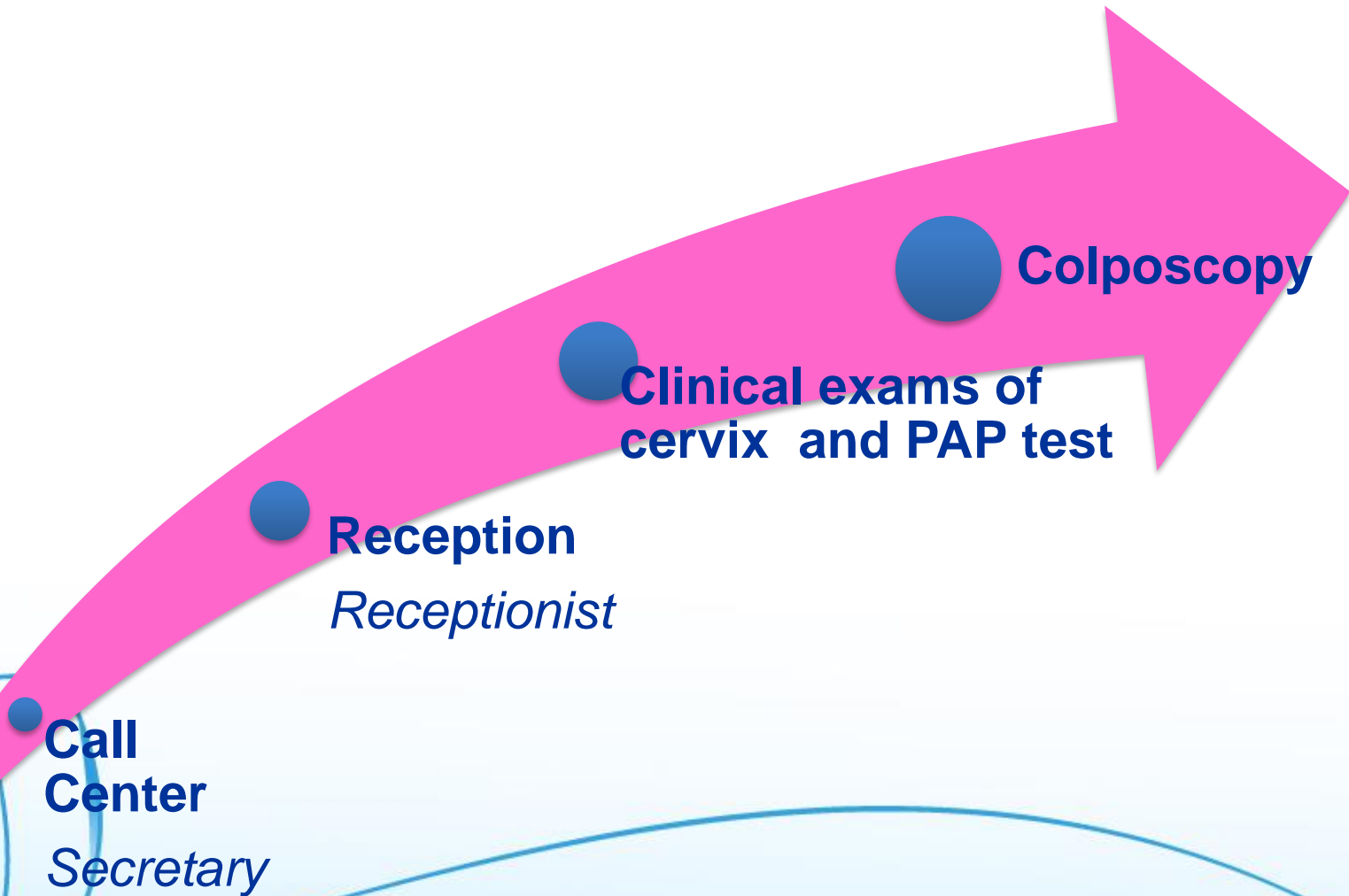


BI-RADS

- **BI-RADS 1** **Norm**
- **BI-RADS 2** **Benign**
- **BI-RADS 3** **Most likely benign**
- **BI-RADS 4** **suspicio c-r mammae**
- **BI-RADS 5** **c-r mammae**

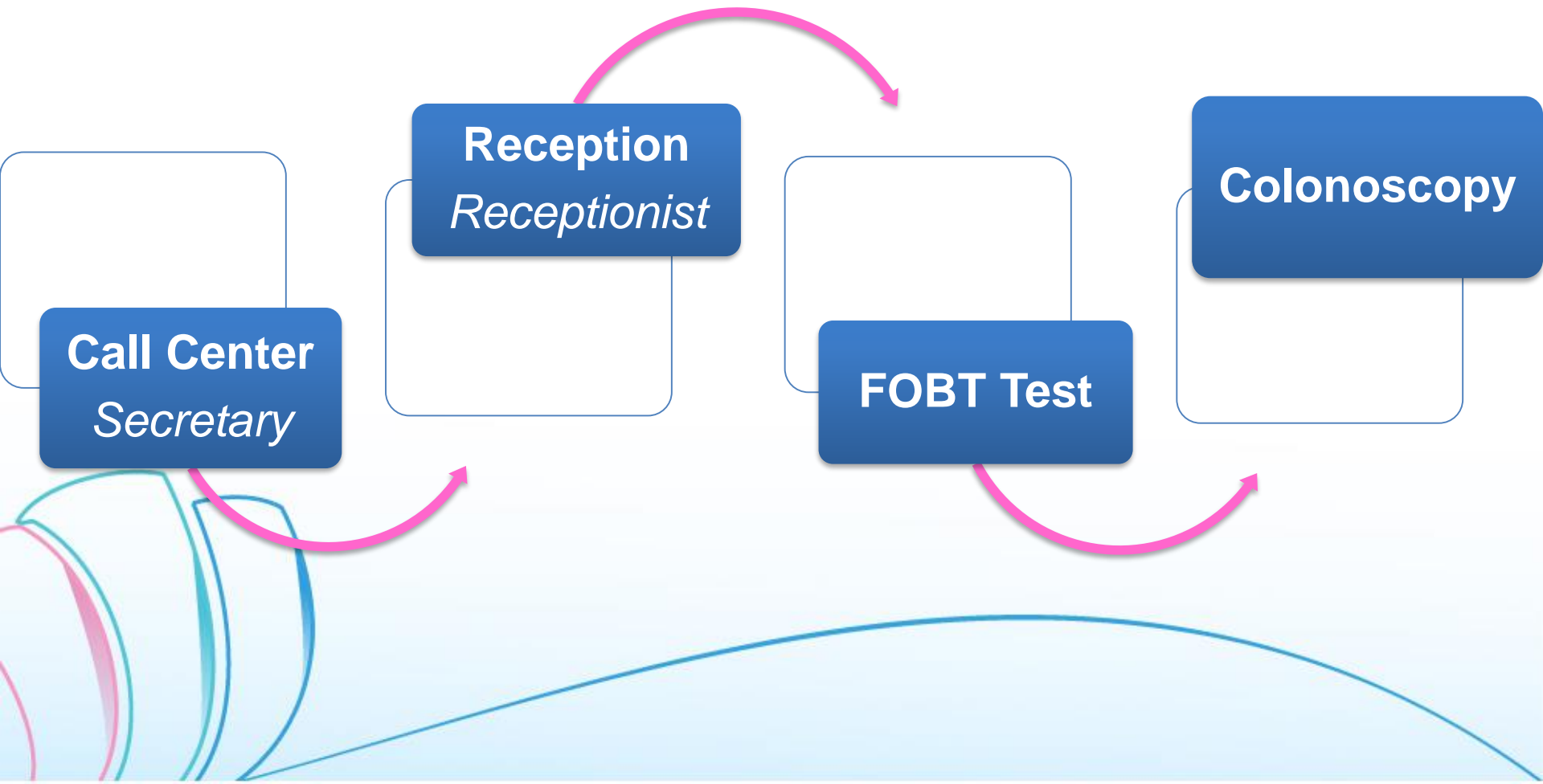
Main Principles

Cervical Cancer Screening



Main Principles

Bowel Cancer Screening



Main Principles

Prostate Cancer Screening



The National Screening Program

2008 –2015

	Breast	Cervix	Colon	Prostate
2008	9 743	9 110		
2009	17 242	17 949		
2010	30 332	18 178		2 227
2011	29 186	35 984	5 677	8 235
2012	10 282	18 303	1 214	2 057
2013	37 598	42 752	7 383	10 912
2014	39 723	40 132	7 751	10 802
2015	38 904	40 963	7 609	15 418

The National Screening Program

National Statistics VS The National Screening Program Comparative Analysis

Cancer Stage	Statistics 2007	Statistics 2008	Screening Program 2009	Screening Program 2010
Stage I	4%	8%	<u>32.7%</u>	<u>43,0%</u>
Stage IIa	44%	41%	<u>42.2%</u>	<u>44,0%</u>
Stage IIb				
Stage IIIa	52%	51%	<u>25.1%</u>	<u>13,0%</u>
Stage IIIb				
Stage IVa				
Stage IVb				

Special TV commercial is regularly aired on Cancer Screening Program on Public Broadcaster



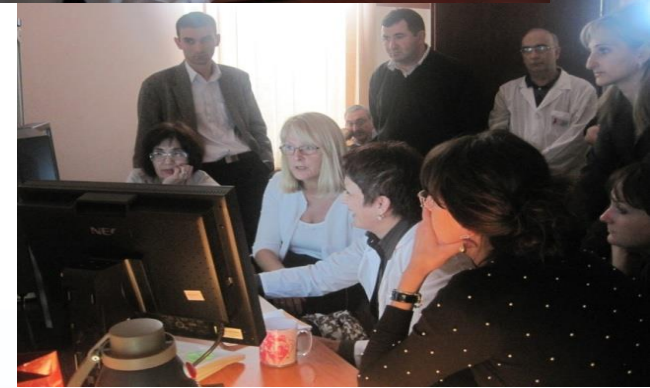
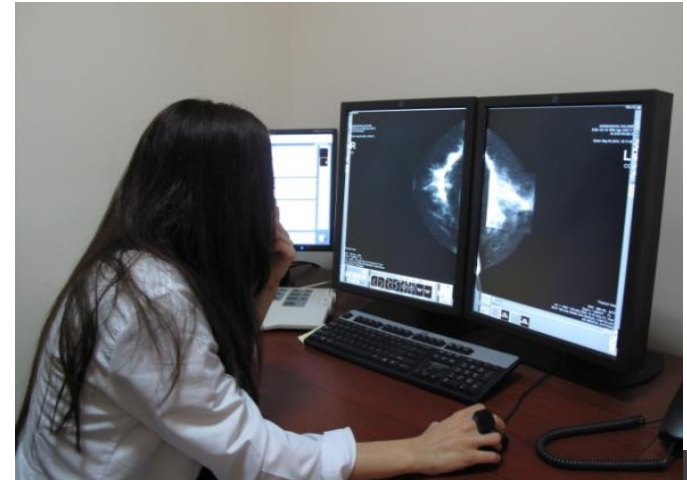
Partnership

- **Black Sea Countries Conference**
Georgia, 2009
- **European Association of Cervical cancer**
Brussels, 2010
- **Cervical Cancer Screening & Cytology Center**
Italy, 2010
- **Breast Cancer Screening Center**
Denmark, 2011
- **European School of Oncology**
Georgia : 2011, 2012, 2013,
2014,2015, 2016



Partnership

- **Training for Pat-anatomists**
Medical University (VUMC), Amsterdam
Medical University, Tbilisi
- **Study Tour for Radiologists**
France, UK, Italy
- **Seminar for Breast Cancer Screening
Quality Improvement**
Georgia
- **French-Georgian Workshop for Cancer
Prevention**
Georgia





Thank You!

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